

## AMENDMENTS TO THE CLAIMS

This listing of claims is intended to replace all prior versions, and listings, of claims in the application:

1-10. (Canceled)

11. (Currently Amended) A computer readable media having instructions for use in selecting a fulfillment plan for moving an item within a supply chain, the instructions performing steps comprising:

receiving an order for an item;

in response to receipt of the order for the item constructing a plurality list of alternative fulfillment plans for moving the an item from a sourcing point to one or more geographic locations within the supply chain;

evaluating each of the constructed plurality of alternative fulfillment plans against a predetermined criteria; and

selecting for implementation one of the constructed plurality of alternative fulfillment plans that most closely meets the predetermined criteria, the selected one of the plurality of alternative fulfillment plan being used to position the item at a geographic location within the supply chain thereby making the item available for use in meeting the order.

12. (Currently Amended) The computer readable media as recited in claim 11, wherein the instructions further perform the step of using a customer specified level of service when constructing the ~~list~~ plurality of alternative fulfillment plans.

13. (Currently Amended) The computer readable media as recited in claim 11, wherein the instructions further perform the step of using branch and bound techniques to determine candidate sourcing points for the item when constructing the ~~list~~ plurality of alternative fulfillment plans.

14. (Currently Amended) The computer readable media as recited in claim 11, wherein the instructions further perform the step of using a customer specified point of delivery when constructing the ~~list~~ plurality of alternative fulfillment plans.

15. (Currently Amended) The computer readable media as recited in claim 11, wherein the instructions further perform the step of using a customer specified delivery date when constructing the ~~list~~ plurality of alternative fulfillment plans

16. (Currently Amended) The computer readable media as recited in claim 11, wherein the instructions further perform the step of using various combinations of sourcing points within the supply chain when constructing the ~~list~~ plurality of alternative fulfillment plans.

17. (Currently Amended) The computer readable media as recited in claim 11, wherein the instructions further perform the step of using customer specified consolidation requirements when constructing the ~~list~~ plurality of alternative fulfillment plans.

18. (Currently Amended) The computer readable media as recited in claim 11, wherein the instructions further perform the step of using activity costs when constructing the ~~list~~ plurality of alternative fulfillment plans.

19. (Currently Amended) The computer readable media as recited in claim 11, wherein the instructions further perform the step of using inventory age when constructing the ~~list~~ plurality of alternative fulfillment plans.

20. (Currently Amended) The computer readable media as recited in claim 11, wherein the instructions further perform the step of using a customer specified price quote when evaluating the constructed plurality of alternative fulfillment plans against a predetermined criteria.